

**BEST AVAILABLE COPY**

OIPC

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/696,791

DATE: 11/13/2000  
TIME: 12:50:18

Input Set : A:\407.app  
Output Set: E:\CRF3\11132000\I696791.raw

3 <110> APPLICANT: Robbins, Joan M.  
4 Tritz, Richard  
6 <120> TITLE OF INVENTION: RIBOZYME THERAPY FOR THE TREATMENT OF PROLIFERATIVE  
7 SKIN AND EYE DISEASES  
9 <130> FILE REFERENCE: 480124.407  
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/696,791  
12 <141> CURRENT FILING DATE: 2000-10-25  
14 <160> NUMBER OF SEQ ID NOS: 4523  
16 <170> SOFTWARE: PatentIn Ver. 2.0  
18 <210> SEQ ID NO: 1  
19 <211> LENGTH: 19  
20 <212> TYPE: DNA  
21 <213> ORGANISM: HOMO sapiens  
23 <220> FEATURE:  
24 <223> OTHER INFORMATION: Cdk1 ribozyme binding site  
26 <400> SEQUENCE: 1  
27 atggacgatc agggttgcc 19  
29 <210> SEQ ID NO: 2  
30 <211> LENGTH: 19  
31 <212> TYPE: DNA  
32 <213> ORGANISM: HOMO sapiens  
34 <220> FEATURE:  
35 <223> OTHER INFORMATION: Cdk1 ribozyme binding site  
37 <400> SEQUENCE: 2  
38 gatcagggtt gccctcggt 19  
40 <210> SEQ ID NO: 3  
41 <211> LENGTH: 19  
42 <212> TYPE: DNA  
43 <213> ORGANISM: HOMO sapiens  
45 <220> FEATURE:  
46 <223> OTHER INFORMATION: Cdk1 ribozyme binding site  
48 <400> SEQUENCE: 3  
49 ggttgcctc ggtgttaaga 19  
51 <210> SEQ ID NO: 4  
52 <211> LENGTH: 19  
53 <212> TYPE: DNA  
54 <213> ORGANISM: HOMO sapiens  
56 <220> FEATURE:  
57 <223> OTHER INFORMATION: Cdk1 ribozyme binding site  
59 <400> SEQUENCE: 4  
60 cctcggtgtt agaccacca 19  
62 <210> SEQ ID NO: 5  
63 <211> LENGTH: 19  
64 <212> TYPE: DNA  
65 <213> ORGANISM: HOMO sapiens  
67 <220> FEATURE:  
68 <223> OTHER INFORMATION: Cdk1 ribozyme binding site

P.5  
**ENTERED**

RAW SEQUENCE LISTING DATE: 11/13/2000  
PATENT APPLICATION: US/09/696,791 TIME: 12:50:18

Input Set : A:\407.app  
Output Set: N:\CRF3\11132000\I696791.raw

70 <400> SEQUENCE: 5  
71 ccaccaata tcggAACCC 19  
73 <210> SEQ ID NO: 6  
74 <211> LENGTH: 19  
75 <212> TYPE: DNA  
76 <213> ORGANISM: Homo sapiens  
78 <220> FEATURE:  
79 <223> OTHER INFORMATION: Cdk1 ribozyme binding site  
81 <400> SEQUENCE: 6  
82 accaaatata ggaACCCCT 19  
84 <210> SEQ ID NO: 7  
85 <211> LENGTH: 19  
86 <212> TYPE: DNA  
87 <213> ORGANISM: Homo sapiens  
89 <220> FEATURE:  
90 <223> OTHER INFORMATION: Cdk1 ribozyme binding site  
92 <400> SEQUENCE: 7  
93 ggaACCCCTC ctTGAAgCT 19  
95 <210> SEQ ID NO: 8  
96 <211> LENGTH: 19  
97 <212> TYPE: DNA  
98 <213> ORGANISM: Homo sapiens  
100 <220> FEATURE:  
101 <223> OTHER INFORMATION: Cdk1 ribozyme binding site  
103 <400> SEQUENCE: 8  
104 acccCTCCtt gaAGCTGAT 19  
106 <210> SEQ ID NO: 9  
107 <211> LENGTH: 19  
108 <212> TYPE: DNA  
109 <213> ORGANISM: Homo sapiens  
111 <220> FEATURE:  
112 <223> OTHER INFORMATION: Cdk1 ribozyme binding site  
114 <400> SEQUENCE: 9  
115 ggacacACTC tCTGTGAAA 19  
117 <210> SEQ ID NO: 10  
118 <211> LENGTH: 19  
119 <212> TYPE: DNA  
120 <213> ORGANISM: Homo sapiens  
122 <220> FEATURE:  
123 <223> OTHER INFORMATION: Cdk1 ribozyme binding site  
125 <400> SEQUENCE: 10  
126 acacACTCTC tgtGAAgT 19  
128 <210> SEQ ID NO: 11  
129 <211> LENGTH: 19  
130 <212> TYPE: DNA  
131 <213> ORGANISM: Homo sapiens  
133 <220> FEATURE:  
134 <223> OTHER INFORMATION: Cdk1 ribozyme binding site  
136 <400> SEQUENCE: 11

RAW SEQUENCE LISTING DATE: 11/13/2000  
PATENT APPLICATION: US/09/696,791 TIME: 12:50:18

Input Set : A:\407.app  
Output Set: N:\CRF3\11132000\1696791.raw

137 tgtgaaagtt gtgttagatt 19  
139 <210> SEQ ID NO: 12  
140 <211> LENGTH: 19  
141 <212> TYPE: DNA  
142 <213> ORGANISM: Homo sapiens  
144 <220> FEATURE:  
145 <223> OTHER INFORMATION: Cdk1 ribozyme binding site  
147 <400> SEQUENCE: 12 19  
148. aagtgtgtta gatttactg  
150 <210> SEQ ID NO: 13  
151 <211> LENGTH: 19  
152 <212> TYPE: DNA  
153 <213> ORGANISM: Homo sapiens  
155 <220> FEATURE:  
156 <223> OTHER INFORMATION: Cdk1 ribozyme binding site  
158 <400> SEQUENCE: 13 19  
159 tgtgttagatt tactgtttg  
161 <210> SEQ ID NO: 14  
162 <211> LENGTH: 19  
163 <212> TYPE: DNA  
164 <213> ORGANISM: Homo sapiens  
166 <220> FEATURE:  
167 <223> OTHER INFORMATION: Cdk1 ribozyme binding site  
169 <400> SEQUENCE: 14 19  
170 gtgttagatt actgtttgt  
172 <210> SEQ ID NO: 15  
173 <211> LENGTH: 19  
174 <212> TYPE: DNA  
175 <213> ORGANISM: Homo sapiens  
177 <220> FEATURE:  
178 <223> OTHER INFORMATION: Cdk1 ribozyme binding site  
180 <400> SEQUENCE: 15 19  
181 tgttagattta ctgttttgtg  
183 <210> SEQ ID NO: 16  
184 <211> LENGTH: 19  
185 <212> TYPE: DNA  
186 <213> ORGANISM: Homo sapiens  
188 <220> FEATURE:  
189 <223> OTHER INFORMATION: Cdk1 ribozyme binding site  
191 <400> SEQUENCE: 16 19  
192 atttactgtt tttgagagg  
194 <210> SEQ ID NO: 17  
195 <211> LENGTH: 19  
196 <212> TYPE: DNA  
197 <213> ORGANISM: Homo sapiens  
199 <220> FEATURE:  
200 <223> OTHER INFORMATION: Cdk1 ribozyme binding site  
202 <400> SEQUENCE: 17 19  
203 tttactgttt ttgagaggaa

RAW SEQUENCE LISTING DATE: 11/13/2000  
PATENT APPLICATION: US/09/696,791 TIME: 12:50:18

Input Set : A:\407.app  
Output Set: N:\CRF3\11132000\I696791.raw

205 <210> SEQ ID NO: 18  
206 <211> LENGTH: 19  
207 <212> TYPE: DNA  
208 <213> ORGANISM: Homo sapiens  
210 <220> FEATURE:  
211 <223> OTHER INFORMATION: Cdk1 ribozyme binding site  
213 <400> SEQUENCE: 18  
214 gagtgtggta ctccactca 19  
216 <210> SEQ ID NO: 19  
217 <211> LENGTH: 19  
218 <212> TYPE: DNA  
219 <213> ORGANISM: Homo sapiens  
221 <220> FEATURE:  
222 <223> OTHER INFORMATION: Cdk1 ribozyme binding site  
224 <400> SEQUENCE: 19  
225 tgtggtaact cactcagaa 19  
227 <210> SEQ ID NO: 20  
228 <211> LENGTH: 19  
229 <212> TYPE: DNA  
230 <213> ORGANISM: Homo sapiens  
232 <220> FEATURE:  
233 <223> OTHER INFORMATION: Cdk1 ribozyme binding site  
235 <400> SEQUENCE: 20  
236 tactccactc agaaaagac 19  
238 <210> SEQ ID NO: 21  
239 <211> LENGTH: 19  
240 <212> TYPE: DNA  
241 <213> ORGANISM: Homo sapiens  
243 <220> FEATURE:  
244 <223> OTHER INFORMATION: Cdk1 ribozyme binding site  
246 <400> SEQUENCE: 21  
247 agagcaacct cagggtaca 19  
249 <210> SEQ ID NO: 22  
250 <211> LENGTH: 19  
251 <212> TYPE: DNA  
252 <213> ORGANISM: Homo sapiens  
254 <220> FEATURE:  
255 <223> OTHER INFORMATION: Cdk1 ribozyme binding site  
257 <400> SEQUENCE: 22  
258 gagcaacttc agggtacaa 19  
260 <210> SEQ ID NO: 23  
261 <211> LENGTH: 19  
262 <212> TYPE: DNA  
263 <213> ORGANISM: Homo sapiens  
265 <220> FEATURE:  
266 <223> OTHER INFORMATION: Cdk1 ribozyme binding site  
268 <400> SEQUENCE: 23  
269 cttagggta caactcttt 19  
271 <210> SEQ ID NO: 24

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/696,791

DATE: 11/13/2000  
TIME: 12:50:18

Input Set : A:\#07.app  
Output Set: N:\CRF3\11132000\I696791.raw

272 <211> LENGTH: 19  
273 <212> TYPE: DNA  
274 <213> ORGANISM: Homo sapiens  
276 <220> FEATURE:  
277 <223> OTHER INFORMATION: Cdk1 ribozyme binding site  
279 <400> SEQUENCE: 24  
280 ggtacaactt tttaagat 19  
282 <210> SEQ ID NO: 25  
283 <211> LENGTH: 19  
284 <212> TYPE: DNA  
285 <213> ORGANISM: Homo sapiens  
287 <220> FEATURE:  
288 <223> OTHER INFORMATION: Cdk1 ribozyme binding site  
290 <400> SEQUENCE: 25  
291 tacaacttt tgaatcc 19  
293 <210> SEQ ID NO: 26  
294 <211> LENGTH: 19  
295 <212> TYPE: DNA  
296 <213> ORGANISM: Homo sapiens  
298 <220> FEATURE:  
299 <223> OTHER INFORMATION: Cdk1 ribozyme binding site  
301 <400> SEQUENCE: 26  
302 acaactctt gaatcccc 19  
304 <210> SEQ ID NO: 27  
305 <211> LENGTH: 19  
306 <212> TYPE: DNA  
307 <213> ORGANISM: Homo sapiens  
309 <220> FEATURE:  
310 <223> OTHER INFORMATION: Cdk1 ribozyme binding site  
312 <400> SEQUENCE: 27  
313 tttaagatc ccaacttt 19  
315 <210> SEQ ID NO: 28  
316 <211> LENGTH: 19  
317 <212> TYPE: DNA  
318 <213> ORGANISM: Homo sapiens  
320 <220> FEATURE:  
321 <223> OTHER INFORMATION: Cdk1 ribozyme binding site  
323 <400> SEQUENCE: 28  
324 tcccaactgtt gacaaggag 19  
326 <210> SEQ ID NO: 29  
327 <211> LENGTH: 19  
328 <212> TYPE: DNA  
329 <213> ORGANISM: Homo sapiens  
331 <220> FEATURE:  
332 <223> OTHER INFORMATION: Cdk1 ribozyme binding site  
334 <400> SEQUENCE: 29  
335 caaggaggtt gagatcagg 19  
337 <210> SEQ ID NO: 30  
338 <211> LENGTH: 19

**Please Note:**

**Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.**

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/696,791

DATE: 11/13/2000  
TIME: 12:50:19

Input Set : A:\407.app  
Output Set: N:\CRF3\11132000\I696791.raw

L:11 M:270 C: Current Application Number differs, Wrong Format  
L:45375 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4120  
L:45441 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4121  
L:45512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4122  
L:45588 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4123  
L:45672 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4124  
L:48553 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4385  
L:48574 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4386  
L:48595 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4387  
L:48621 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4388